



FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD

SFN 50864(12/2014)

ENGINES OFF 21:33:01	HOURS 2.43		PAGE # 1	OF 5
ENGINES ON 19:07:01	DRY ICE RATE 13	1 GEN 0.00	2 GEN 0.00	
TOTAL TIME 02:26:00	DRY ICE (lbs) 86.92	EJCTBL (grams) 0	BIP (grams) 0	

DATE June 29, 2017		DISTRICT 2	SEED # 7	PILOT Brandon Thurston				COPILOT Jason White				PURPOSE H	REMARKS <small>R - Rain H - Hail O - Other M - Maintenance C - Reconnaissance</small>
Time (HH:MM)	EVENT #	LATITUDE (deg)	LONGITUDE (deg)	CLD BASE (kft)	ALTITUDE (KFT)	UPDRAFT (FT/MIN)	TEMP (°C)	PRECIP CODE**	DRY ICE (sec)	FLARES		WINTIP GEN (#)	
										EJC	BIP		
19:09:00		48.17525	-103.6304		1.9					0	0	0	Engines on in Williston.
19:19:06		48.35139	-103.5290		8.4					0	0	0	
19:29:07		48.53718	-102.8580		16.7					0	0	0	
19:39:12		48.25403	-102.9112		17.0					0	0	0	
19:41:33	1	48.17391	-102.9558		16.9					0	0	0	Ice on.
19:42:05	2	48.14562	-102.9454		16.9				32	0	0	0	Ice off.
19:44:15	3	48.03586	-102.9376		16.9					0	0	0	Ice on.
19:44:19	4	48.03310	-102.9409		16.9				3.5	0	0	0	Ice off.
19:47:40	5	48.07618	-102.8824		16.9					0	0	0	Ice on.
19:48:23	6	48.03899	-102.8867		16.8				43	0	0	0	Ice off.
19:54:38	7	48.26636	-102.7702		16.7					0	0	0	Ice on.
19:54:57	8	48.28284	-102.7738		16.7				18.5	0	0	0	Ice off.
19:55:33	9	48.31358	-102.7841		16.5					0	0	0	Ice on.

**PRECIPITATION INTENSITY

- 0 - No Precipitation
- 1 - virga only, precip not to ground
- 2 - rain shaft to surface, light
- 3 - rain shaft well established, but can be seen through
- 4 - heavy rain shaft, cannot be seen through

MISSION SUMMARY

Launched to work a north south line over new town for hail suppression. We worked the southwest area of the storm. After the hail threat was over and the storm was iced out we were told to RTB. RTB Williston. 7.5 min ice



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										EJC	BIP		
19:55:45	10	48.32344	-102.7886		16.5				12.5	0	0	0	Ice off.
20:05:47		48.17016	-102.8593		16.3					0	0	0	
20:06:27	11	48.19255	-102.8887		16.4	500	-8			0	0	0	
20:16:33		48.20190	-102.7491		16.5					0	0	0	
20:19:53	12	48.03252	-102.8485		16.6					0	0	0	Ice on.
20:20:15	13	48.01634	-102.8670		16.9				22.1	0	0	0	Ice off.
20:20:27	14	48.00677	-102.8754		16.8					0	0	0	Ice on.
20:20:35	15	48.00072	-102.8819		16.8				7.9	0	0	0	Ice off.
20:22:31	16	48.00382	-102.9463		16.8					0	0	0	Ice on.
20:22:34	17	48.00614	-102.9443		16.7				2.6	0	0	0	Ice off.
20:23:06	18	48.03320	-102.9273		16.6					0	0	0	Ice on.
20:23:24	19	48.04810	-102.9175		16.5				18.3	0	0	0	Ice off.
20:23:36	20	48.05854	-102.9087		16.5					0	0	0	Ice on.

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20:23:59	21	48.07393	-102.8850		16.4				22.8	0	0	0	Ice off.
20:26:22	22	48.02367	-102.8616		16.2					0	0	0	Ice on.
20:26:48	23	48.00162	-102.8714		16.2				26.3	0	0	0	Ice off.
20:29:00	24	48.01247	-102.8704		16.6					0	0	0	Ice on.
20:29:26	25	48.02799	-102.8462		16.6				25.7	0	0	0	Ice off.
20:32:04	26	48.05291	-102.8996		16.5					0	0	0	Ice on.
20:32:30	27	48.04591	-102.9282		16.4				26.4	0	0	0	Ice off.
20:34:34	28	48.02306	-102.9283		16.5					0	0	0	Ice on.
20:35:09	29	48.05084	-102.9255		16.8				34.9	0	0	0	Ice off.
20:35:25	30	48.06462	-102.9207		16.6	900	-8			0	0	0	
20:39:59	31	48.00535	-102.9762		16.3					0	0	0	Ice on.
20:40:17	32	47.99182	-102.9880		16.5				17.6	0	0	0	Ice off.
20:43:52	33	48.03448	-102.9088		16.4					0	0	0	Ice on.

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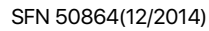
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20:47:32	35	48.03300	-102.9225		16.3	600	-6			0	0	0	
20:55:15	36	47.85903	-102.6995		16.6					0	0	0	Ice on.
20:55:23	37	47.85221	-102.7037		16.6				8	0	0	0	Ice off.
20:58:38	38	47.79820	-102.7867		16.4					0	0	0	Ice on.
20:58:59	39	47.81510	-102.7902		16.2				20.3	0	0	0	Ice off.
21:00:55	40	47.90168	-102.7376		16.3	500	-7			0	0	0	
21:02:18	41	47.90335	-102.6235		16.5					0	0	0	Ice on.
21:02:27	42	47.89948	-102.6117		16.5				9.1	0	0	0	Ice off.
21:02:41	43	47.89236	-102.5943		16.5					0	0	0	Ice on.
21:03:10	44	47.87546	-102.5594		16.7				28.9	0	0	0	Ice off.
21:13:11		47.83335	-102.4909		16.6					0	0	0	
21:13:35	45	47.84156	-102.5186		16.6	700	-7			0	0	0	

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